

DeNO_x process

5 A process for reducing the content of NO_x and N₂O in gases, in particular in process gases and offgases, which comprises the measures:

10 a) addition of at least one nitrogen-containing reducing agent to the NO_x- and N₂O-containing gas in at least the amount required for complete reduction of the NO_x,

15 b) addition of a hydrocarbon, of carbon monoxide, of hydrogen or of a mixture of one or more of these gases to the NO_x- and N₂O-containing gas for the reduction of the N₂O and

20 c) introduction of the gas mixture into at least one reaction zone at temperatures of up to 450°C which contains one or more iron-laden zeolites, is described.

20 The process can be used, in particular, in nitric acid production, for offgases from power stations or for gas turbines.